

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

|                                |   |   |                   |                                |
|--------------------------------|---|---|-------------------|--------------------------------|
| Patent Application Serial No.: | 10/687,318  | ) | Group Art Unit:   | 1746                           |
| Filing Date:                   | October 16, 2003  | ) | Examiner:         | Chaudhry, Saeed T.             |
| For:                           | Method For Preventing and Cleaning Ruthenium-Containing Deposits in a CVD Apparatus | ) | Docket No:        | 101.111 (formerly 20661.111US) |
| Inventors:                     | Greer et al.  | ) | Confirmation No.: | 8500                           |
|                                |   | ) | Paper No.:        |                                |

MAIL STOP AMENDMENT  
COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

Sir:

This Amendment and Remarks is in response to the Office Action mailed October 5, 2005.

**ELECTION/RESTRICTION**

The undersigned attorney for the Applicants hereby affirms the election made August 18, 2005, electing to prosecute the invention of Group I, original claims 1 – 9, drawn to a method of cleaning or inhibiting formation of a ruthenium-containing deposit on a surface of a ruthenium-deposition apparatus.

01/09/2006 NNGUYEN1 00000094 10687318

01 FC:1202

350.00 OP

**AMENDMENTS TO SPECIFICATION**

Please replace the paragraph in the specification at page 10, lines 9 – 21:

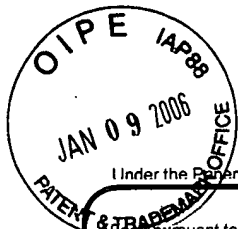
**Replacement paragraph, with changes marked as shown:**

Selectively flowing a "purge" gas proximate to surfaces where deposition is

**Serial No. 10/687,318**  
**Amendment And Remarks In Response To**  
**Office Action Mailed 10/05/05**

**Page 1**

190301v2



DFW

PTO/SB/17 (12-04v2)  
Approved for use through 07/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.

Paid pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

## FEE TRANSMITTAL For FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 350

### Complete if Known

|                      |                    |
|----------------------|--------------------|
| Application Number   | 10/687,318         |
| Filing Date          | October 16, 2003   |
| First Named Inventor | Greer, Harold F.R. |
| Examiner Name        | Chaudry, Saeed T.  |
| Art Unit             | 1746               |
| Attorney Docket No.  | 101.111            |

### METHOD OF PAYMENT (check all that apply)

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### FEE CALCULATION

#### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

| Application Type | FILING FEES |                       | SEARCH FEES |                       | EXAMINATION FEES |                       | Fees Paid (\$) |
|------------------|-------------|-----------------------|-------------|-----------------------|------------------|-----------------------|----------------|
|                  | Fee (\$)    | Small Entity Fee (\$) | Fee (\$)    | Small Entity Fee (\$) | Fee (\$)         | Small Entity Fee (\$) |                |
| Utility          | 300         | 150                   | 500         | 250                   | 200              | 100                   |                |
| Design           | 200         | 100                   | 100         | 50                    | 130              | 65                    |                |
| Plant            | 200         | 100                   | 300         | 150                   | 160              | 80                    |                |
| Reissue          | 300         | 150                   | 500         | 250                   | 600              | 300                   |                |
| Provisional      | 200         | 100                   | 0           | 0                     | 0                | 0                     |                |

#### 2. EXCESS CLAIM FEES

##### Fee Description

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

| Fee (\$) | Small Entity Fee (\$) |
|----------|-----------------------|
| 50       | 25                    |
| 200      | 100                   |
| 360      | 180                   |

Total Claims      Extra Claims      Fee (\$)

27 - 20 or HP = 7 x 50 = 350

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims      Extra Claims      Fee (\$)

- 3 or HP = x =

HP = highest number of independent claims paid for, if greater than 3.

#### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets      Extra Sheets      Number of each additional 50 or fraction thereof      Fee (\$)

- 100 = / 50 = (round up to a whole number) x =

#### 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge):

Fees Paid (\$)

### SUBMITTED BY

|                   |                |   |                        |
|-------------------|----------------|---|------------------------|
| Signature         | Thomas Swenson | Registration No.<br>(Attorney/Agent) 36,696 | Telephone 303-440-7800 |
| Name (Print/Type) | Thomas Swenson |   | Date January 5, 2006   |

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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on January 5, 2006

Date

Signature

Thomas Swenson

Typed or printed name of person signing Certificate

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1. Fee Transmittal Form PTO/SB/17 (2 for a total of 2 pages)
2. Check no. 1196 in the amount of \$350.00
3. Amendment and Remarks (16 pages) (Serial No. 10/687,318)
4. Return Receipt Postcard
5. Certificate of Mailing (1 page)

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